

WHAT IS CLAIMED IS:

1. A combination of a controller and a bicycle front suspension device,
comprising:

5 a first collar having a through hole which is adapted to be mounted on a
bicycle handlebar and a slot defined radially through the first collar, a stop device
connected to the first collar and located cross over the slot;

a second collar rotatably engaged in the through hole and a lever
extending radially from the second collar, the lever extending through the slot and
an engaging member which is located on the second collar and beside the lever,
10 and

a control cable having an end fixed to the second collar and extending
between an outside of the second collar and an inside of the first collar, the other
end of the control cable fixedly to a cap of one of two suspension cylinders, the
cap being rotated between an operative position for allowing the suspension
15 cylinder to absorb shock, and a lockout position for allowing the suspension
cylinder to be locked.

2. The combination as claimed in claim 1, wherein each of two facing
insides of the slot having a recess defined therein and a groove is in
communication with the respective one of the recesses, the engaging member has
20 two wings which are movably inserted in the recesses and sized to be slid in the
grooves, a spring plate extending at angle from the engaging member, the stop
device being a pin which extends through two lugs on the first collar, the slot

located between the two lugs, the stop device being stuck between the lever and a distal end of the spring plate when the lever is rotated to the lockout position.

3. The combination as claimed in claim 1, wherein a positioning groove is defined in an outer periphery of the second collar and the control cable is
5 engaged with the positioning groove.

4. The combination as claimed in claim 1, wherein each of the cylinders includes an outer tube and an inner tube which is movably inserted in the outer tube, the cap having a rod connected thereto which is inserted in a tube which is located in the inner tube, a separation member connected to the tube and dividing
10 an inner space of the inner tube into a first chamber and a second chamber, the separation member having an open distal end and a central passage, the tube having first holes defined through a wall thereof and the rod having second holes defined radially therethrough, the first chamber being in communication with the second chamber by aligning the second holes with the first holes.

15 5. The combination as claimed in claim 4, wherein a positioning bolt extends through a center of the cap and is fixed to a base member which is threadedly connected to the inner tube, the cap being rotatable about the positioning bolt.

20 6. The combination as claimed in claim 5, wherein a torsion spring is connected to the cap so that the cap is rotated when the lever is rotated to the operative position.